

ABSTRACT

The present invention provides methods of producing dsDNA molecules that can be used to mediate RNA interference (RNAi). These methods include the production of hairpin DNAs including random sequences, and the use of convergent promoters to co-express sense and antisense RNAs. As such, the invention allows the production of random short hairpin RNA (shRNA) and a small interfering RNA (siRNA) expression libraries for forward genetic screening.